

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A surface acoustic wave filter, comprising:
a piezoelectric substrate;
a plurality of IDTs provided on said piezoelectric substrate, and arranged along a propagation direction of a surface acoustic wave;
a first and second balanced to unbalanced conversion function signal terminals connected to at least one of the plurality of IDTs;
an unbalanced signal terminal connected to at least one of the plurality of IDTs;
and
at least two of said plurality of IDTs located on opposite sides of an IDT of said plurality of IDTs located at a central portion of ~~said piezoelectric substrate~~ in the propagation direction of the surface acoustic wave device being disposed in an approximate point-symmetry about the IDT located at the central portion in the propagation direction of a surface acoustic wave; wherein
at least one of the IDTs has at least one finger electrode having a width that is different from a width of at least another finger electrode of the at least one of the IDTs.

Claim 2 (currently amended): A surface acoustic wave filter in accordance with claim 1, wherein the at least one of the plurality of IDTs electrically connected to said first and second balanced signal terminals has an even number of electrode fingers.

Claim 3 (currently amended): A surface acoustic wave filter in accordance with claim 1, wherein at least one of the plurality of IDTs includes a plurality of IDT portions

divided along a direction that is substantially perpendicular to the propagation direction of a surface acoustic wave.

Claim 4 (original): A surface acoustic wave filter in accordance with claim 1, further comprising at least one surface acoustic wave resonator connected to said surface acoustic wave filter in at least one of series and parallel.

Claim 5 (original): A surface acoustic wave filter in accordance with claim 1, further comprising reflectors provided at end portions of said piezoelectric substrate.

Claim 6 (original): A communication device having the surface acoustic wave filter in accordance with claim 1.

Claim 7 (currently amended): A surface acoustic wave filter, comprising:
a piezoelectric substrate;
first, second and third IDTs provided on said piezoelectric substrate, and sequentially arranged along a propagation direction of a surface acoustic wave;
an unbalanced signal terminal connected to the first and third IDTs; and
first and second balanced signal terminals each connected to opposite ends of the second IDT; wherein

~~the first, second and third IDTs each having first and second end portions at opposite ends thereof in a direction that is substantially perpendicular to the propagation direction of a surface acoustic wave;~~

~~the first end portion of the first IDT and the second end portion of the third IDT being each electrically connected to said unbalanced signal terminal; and~~

~~the second end portion of the first IDT and the first end portion of the third IDT being each connected to a ground potential~~

the unbalanced signal terminal is connected to a first end portion of the first IDT

and to a first end portion of the third IDT opposing the first end portion of the first IDT along a direction substantially perpendicular to a propagation of a surface acoustic wave; and

a ground potential is connected to a second end portion of the first IDT opposing the first end portion of the first IDT along the direction substantially perpendicular to the propagation of the surface acoustic wave and is connected to a second end portion of the third IDT opposing the first end portion of the third IDT along the direction substantially perpendicular to the propagation of the surface acoustic wave.

Claim 8 (original): A surface acoustic wave filter in accordance with claim 7, wherein the IDT electrically connected to said balanced signal terminals has an even number of electrode fingers.

Claim 9 (original): A surface acoustic wave filter in accordance with claim 7, wherein at least one IDT includes a plurality of IDT portions divided along the direction substantially perpendicular to the propagation direction of a surface acoustic wave.

Claim 10 (original): A surface acoustic wave filter in accordance with claim 7, further comprising at least one surface acoustic wave resonator connected to said surface acoustic wave filter in at least one of series and parallel.

Claim 11 (original): A surface acoustic wave filter in accordance with claim 7, further comprising reflectors provided at end portions of said piezoelectric substrate.

Claim 12 (original): A communication device having the surface acoustic wave filter in accordance with claim 7.

Claim 13 (currently amended): A surface acoustic wave filter, comprising:

a piezoelectric substrate;
first, second and third IDTs provided on said piezoelectric substrate, and sequentially arranged along the propagation direction of a surface acoustic wave;
an unbalanced signal terminal connected to the second IDT; and
first and second balanced signal terminals each connected to the first and third IDT; wherein

~~the first, second and third IDTs each having first and second end portions at opposite ends thereof in a direction that is substantially perpendicular to the propagation direction of a surface acoustic wave;~~

~~the first end portion of the first IDT and the second end portion of the third IDT being each electrically connected to a first balanced signal terminal; and~~

~~the second end portion of the first IDT and the first end portion of the third IDT being each electrically connected to a second balanced signal terminal~~

the first balanced signal terminal is connected to a first end portion of the first IDT and to a first end portion of the third IDT opposing the first end portion of the first IDT along a direction substantially perpendicular to a propagation of a surface acoustic wave; and

the second balanced signal terminal is connected to a second end portion of the first IDT opposing the first end portion of the first IDT along a direction substantially perpendicular to a propagation of a surface acoustic wave and a second end portion of the third IDT opposing the first end portion of the third IDT along a direction substantially perpendicular to a propagation of a surface acoustic wave.

Claim 14 (original): A surface acoustic wave filter in accordance with claim 13, wherein the IDT electrically connected to said balanced signal terminals has an even number of electrode fingers.

Claim 15 (original): A surface acoustic wave filter in accordance with claim 13,

wherein at least one IDT includes a plurality of IDT portions divided along the direction that is substantially perpendicular to the propagation direction of a surface acoustic wave.

Claim 16 (original): A surface acoustic wave filter in accordance with claim 13, further comprising at least one surface acoustic wave resonator connected to said surface acoustic wave filter in at least one of series and parallel.

Claim 17 (original): A surface acoustic wave filter in accordance with claim 13, further comprising reflectors provided at end portions of said piezoelectric substrate.

Claim 18 (original): A communication device having the surface acoustic wave filter in accordance with claim 13.

Claim 19 (new): A surface acoustic wave filter, comprising:
a piezoelectric substrate;
a plurality of IDTs provided on said piezoelectric substrate and arranged along a propagation direction of a surface acoustic wave;
first and second balanced signal terminals connected to at least one of the plurality of IDTs;
an unbalanced signal terminal connected to at least one of the plurality of IDTs;
and
at least two of said plurality of IDTs located on opposite sides of an IDT of said plurality of IDTs located at a central portion along the propagation direction of the surface acoustic wave device, each of said at least two IDTs having the unbalanced signal terminal and a ground line, the unbalanced signal terminal and the ground line of said at least two IDTs being disposed in an approximate point-symmetry about the IDT located at the central portion in the propagation direction of a surface acoustic wave.